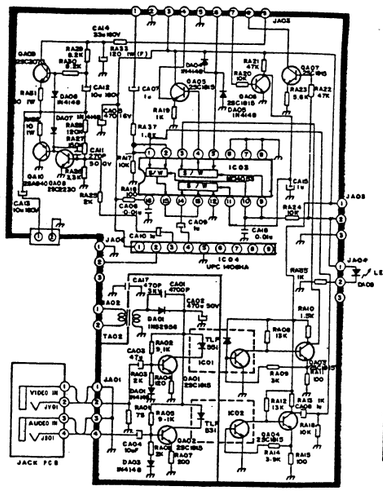
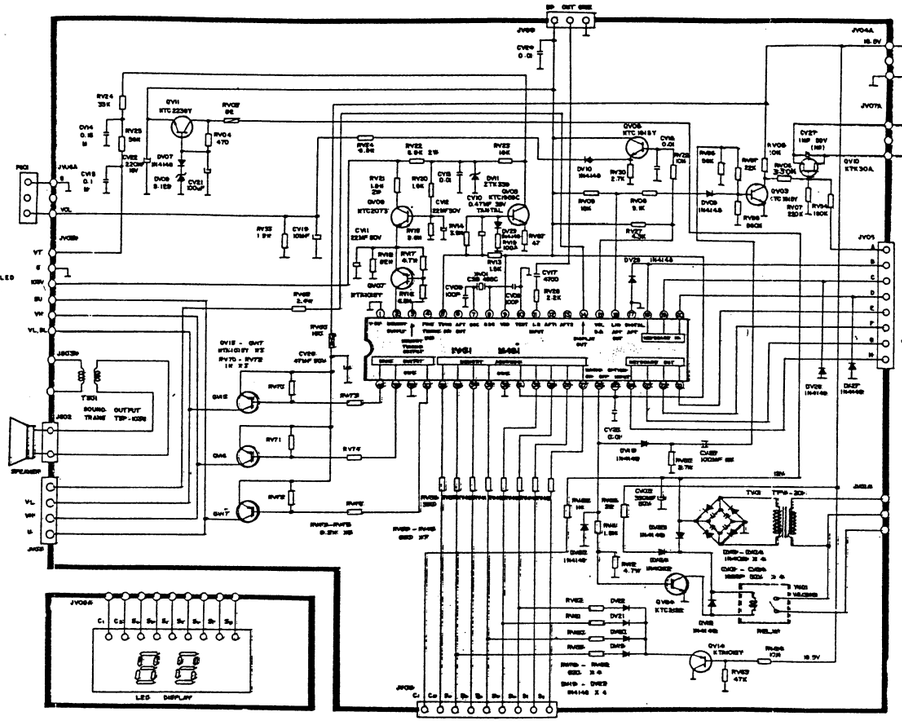
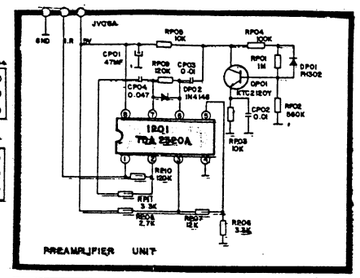
MultiTech

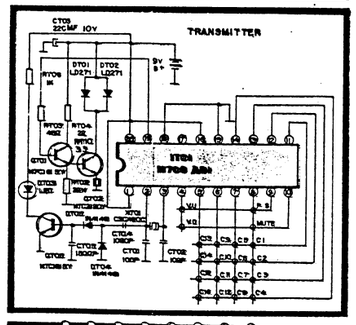
Service Manual

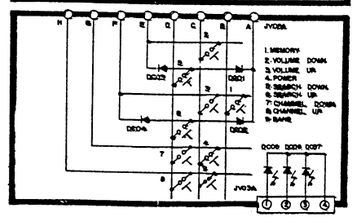
KT 8132
KT 8133
KT 8142
KT 8158







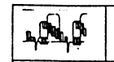
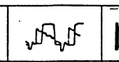
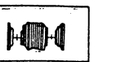
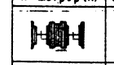
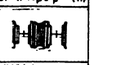
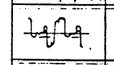
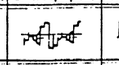
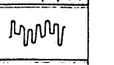
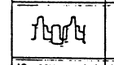
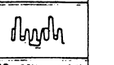
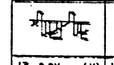
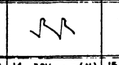
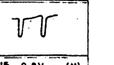
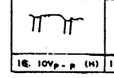
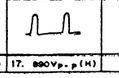




SAFETY CAUTION :

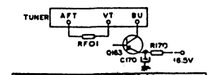
BEFORE SERVICING THIS CHASSIS, IT IS IMPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE "X-RAY RADIATION PRECAUTION," "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

1. WAVEFORMS TAKEN USING SIGNAL FROM A STANDARD COLOR BAR GENERATOR.
2. ⊖ INDICATES WAVEFORM CHECK POINTS.

 1. 2.3Vp-p (H)	 2. 0.55Vp-p (H)	 3. 1.4Vp-p (H)
 4. 0.6Vp-p (H)	5. 1.7Vp-p (H)	 6. 0.15Vp-p (H)
 7. 3.2Vp-p (H)	 8. 1.8Vp-p (H)	 9. 4.0Vp-p (H)
 10. 65Vp-p (H)	11. 90Vp-p (H)	 12. 90Vp-p (H)
 13. 9.8Vp-p (H)	 14. 30Vp-p (H)	 15. 0.8Vp-p (H)
 16. 10Vp-p (H)	 17. 880Vp-p (H)	

NOTES :

1. RESISTANCE VALUES ARE IN OHMS K=1000, M=1,000,000
2. CAPACITANCE VALUES 1.0 AND ABOVE ARE IN PF, THOSE BELOW ARE IN UF EXCEPT AS INDICATED.
3. INDUCTOR VALUES IN UH EXCEPT AS INDICATED.
4. VOLTAGES ARE MEASURED FROM CHASSIS GROUND TO POINT INDICATED WITH A "VTVM" WHILE RECEIVING A COLOR BAR SIGNAL WITH ALL CONTROLS SET TO THE MAXIMUM POSITION (FOR A NOMINAL LINE VOLTAGE 220V~50HZ).
5. SINCE THE CIRCUIT DIAGRAM IS A STANDARD ONE, THE CIRCUIT AND CIRCUIT CONSTANTS MAY BE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT ANY NOTICE.



LOC. NO.	TUNER VTS-XC23/VTS-XC24	VTS-152
RF 01	X	56Ω (1/16)
R 170	X	180 (1/2)
C 001	1MF 50V (BP)	X
L 125	100 MH	X
C170	X	2200MF 16V
R437	1W 39 OHM(M)	1W 47 OHM(M)

PRODUCT SAFETY NOTE :

SHARP COMPONENTS HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL ONE SPECIFIED IN THE PARTS LIST.
DON'T DEGRADE THE SAFETY OF THE SET THROUGH IMPROPER SERVICING.

LOCATION NO	14.16 INCH	20 INCH	LOCATION NO	14.16 INCH	20 INCH
Q402	2SD869	2SD870			
T301	SPC462550	SPC462548	R241	150K OHM	120K OHM
T402	DCF 1881P	DCF 2082P	R431	2W 3 OHM(F)	2W 10Ω (F)
C325	0.30 200V	0.33 200V	R435	1W 2 OHM(F)	1W 10Ω (F)
C420	3000 1.6KV	3900 1.6KV	CRT	14"-370EAB22	510GB22
				16"-420EAB22	

SCHEMATIC DIAGRAM

CHASSIS NO: C-38

S/N : 4858806219

AFETY CAUTION :

EFORE SERVICING THIS CHASSIS, IT IS IMPORTANT THAT HE SERVICE TECHNICIAN READ AND FOLLOW THE -RAY RADIATION PRECAUTION, "SAFETY PRECAUTIONS" ND "PRODUCT SAFETY NOTICE" IN THE SERVICE ANUAL.

WAVEFORMS TAKEN USING SIGNAL FROM A STANDARD COLOR BAR GENERATOR.

INDICATES WAVEFORM CHECK POINTS.

1. 2.3Vp-p (H)	2. 0.55Vp-p (H)	3. 1.4Vp-p (H)
4. 0.6Vp-p (H)	5. 1.7Vp-p (H)	6. 0.15Vp-p (H)
7. 3.2Vp-p (H)	8. 1.8Vp-p (H)	9. 4.0Vp-p (H)
10. 85Vp-p (H)	11. 90Vp-p (H)	12. 90Vp-p (H)
13. 5.8Vp-p (H)	14. 30Vp-p (H)	15. 0.8Vp-p (H)
16. 10Vp-p (H)	17. 890Vp-p (H)	

OTES :

RESISTANCE VALUES ARE IN OHMS K=1000, M=1,000,000

CAPACITANCE VALUES 1.0 AND ABOVE ARE IN pF, THOSE BELOW ARE IN uF EXCEPT AS INDICATED.

INDUCTOR VALUES IN uH EXCEPT AS INDICATED.

VOLTAGES ARE MEASURED FROM CHASSIS GROUND TO POINT INDICATED WITH A "VTVM" WHILE RECEIVING A COLOR BAR SIGNAL WITH ALL CONTROLS SET TO THE MAXIMUM POSITION. (FOR A NOMINAL LINE VOLTAGE AC 110-260V, 50HZ).

SINCE THE CIRCUIT DIAGRAM IS A STANDARD ONE, THE CIRCUIT AND CIRCUIT CONSTANTS MAY BE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT ANY NOTICE.

LOC. NO.	TUNER	VTS-IC23 / VTS-ICDH	VTS-ISZ
RF01		X	22M (1/16)
R 170		X	180 (1/2)
C001	1MF 50V (NP)		X
L 125	100MH		X
C170		X	220MF 16V
R437	1W 39 OHM(M)		2W 47 OHM(M)

PRODUCT SAFETY NOTE :

HADED COMPONENTS HAVE SPECIAL CHARACTERISTICS MPORTANT TO SAFETY AND SHOULD BE REPLACED ONLY ITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR PECIFIED IN THE PARTS LIST.

ON'T DEGRADE THE SAFETY OF THE SET THROUGH MPROPER SERVICING.

LOCATION NO	14.16 INCH	20 INCH	LOCATION NO	14.16 INCH	20 INCH
102	2SD869	2SD870	C434	X	0.01 500V
101	SPC462350	SPC462548	R241	150K OHM	120K OHM
102	DCF 1551P	DCF 2052P	R431	1W 3 OHM(F)	2W 10HM (F)
325	0.27 200V	0.33 200V	R435	1W 2 OHM(F)	1W 10HM (F)
420	3000 1.6KV	3900 1.6KV	CRT	14"-370E6822	510RJ22
				16"-420SK6224	